

Joint Logistics Systems Center



S
U
C
C
E
S
S

S
T
O
R
Y

Hazardous Material Management System Saves Over \$25 Million



The Depot Maintenance-Hazardous Material Management System (DM-HMMS) has saved the taxpayer over \$25 million through reduced hazardous material (HAZMAT) purchases. DM-HMMS is an automated information system that tracks the types of HAZMAT depot workers are using, keeps track of an individual's HAZMAT training records, highlights the appropriate personal protective equipment that's required to be worn, provides on-line access to material safety data sheets (MSDS), and documents how much HAZMAT was used basewide, in a particular work area, and by each individual. The Joint Logistics Systems Center (JLSC) is responsible for DM-HMMS, one of ten applications that collectively form the Depot Maintenance Systems (DMS) providing interoperable Department of Defense (DoD) maintenance depot systems based on existing data and improved business practices. The DM-HMMS implementation and management team consists of personnel from the government and several contractors (NCI Information Systems, BDM Federal, KPMG Peat Marwick, Lockheed Martin, and EXCEL).

Joint Logistics Systems Center

DEPLOYED SITES

ARMY

Anniston Army Depot (AD)
Corpus Christi AD
Letterkenny AD
Red River AD
Tobyhanna AD
Tooele AD

NAVY

Norfolk Naval Ship Yard
(NSY)
Naval Aviation Depot
(NADEP) North Island
NADEP Norfolk

MARINE CORPS

Marine Corps Logistics Base
(MCLB) - Albany
MCLB - Barstow

AIR FORCE

Ogden Air Logistics Center
(ALC)
Warner Robins ALC
Aerospace Maintenance and
Regeneration Center
(AMARC)

NON-DEPOT SITES

Arnold Air Force Base (AFB)
Brooks AFB
Edwards AFB
Kirtland AFB
Hanscom AFB
Los Angeles AFB
Eglin AFB
Wright-Patterson AFB

Accomplishments

Since its initial implementation at Hill AFB in January 1992, DM-HMMS has been installed at 14 DoD depots and eight Air Force Materiel Command (AFMC) non-depots (Air Force installations with 'other than depot type' maintenance or chemical usage requirements such as Laboratories). Validated cost savings, based solely on the acquisition of HAZMAT, have shown an average reduction of 30 percent over that amount purchased when the DM-HMMS philosophy was not in place. To date, those validated savings have amounted to over \$25M based on seven depots and one non-depot site (validations at the other facilities are underway). Customer acceptance has been very positive overall. The former Commander of Corpus Christi Army Depot, Colonel Fowler, had the following to say about the system: "DM-HMMS has improved our business processes...it put three tools into our tool box: safety, environmental and cost...better inventory, better visibility and better oversight." Using serialized tracking labels, DM-HMMS has improved the first in, first out management philosophy of shelf-life items and the ability to keep track of actual HAZMAT usage for calculating future HAZMAT requirements. Continued use of DM-HMMS will increase control and compliance with Environmental Protection Agency (EPA) and Occupational Safety, and Health Agency (OSHA) regulations, reduced occupational health claims, and considerable reductions in waste-processing costs.

Background

In 1988, the Aircraft Maintenance Directorate at Ogden Air Logistics Center (OO-ALC) discovered several occupational health problems involving HAZMAT. In preparing for the subsequent occupational health claims, OO-ALC realized they lacked an adequate system for tracking HAZMAT usage and exposure in the production facility at the depot. Government employees from Maintenance, Environmental Management and Computer Systems Application Software worked together to devise improved business practices and an automated tool to help them track HAZMAT from arrival on the facility to disposal. In 1991, JLSC/DM was looking for an automated HAZMAT tracking system capable of collecting data for inventory movement, usage, and personal exposure to hazardous materials to help DoD depot commanders meet increasing environmental compliance requirements. When JLSC/DM surveyed the legacy Component HAZMAT management systems, the Hazardous Material Management System (HMMS) at OO-ALC showed the most promise for meeting the urgent need. The JLSC adopted OO-ALC's system and renamed it DM-HMMS. The system has migrated to a more exportable architecture and implemented at several DoD sites.

CUSTOMERS HEARD; PROMISES KEPT